

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
8 January 2004 (08.01.2004)

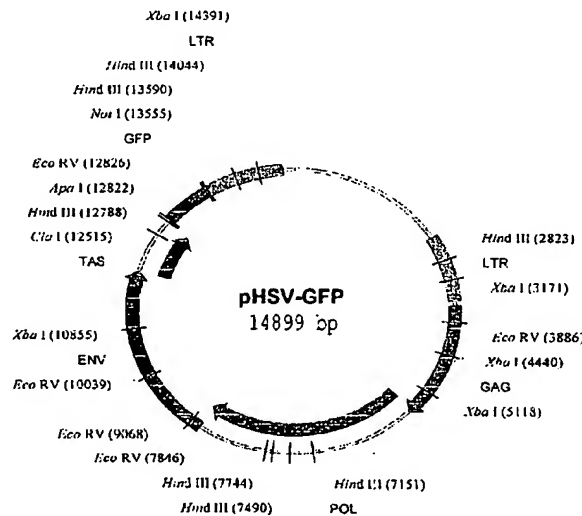
PCT

(10) International Publication Number  
WO 2004/003153 A2

- (51) International Patent Classification<sup>7</sup>: C12N  
(21) International Application Number: PCT/US2003/020325  
(22) International Filing Date: 27 June 2003 (27.06.2003)  
(25) Filing Language: English  
(26) Publication Language: English  
(30) Priority Data: 60/392,630 27 June 2002 (27.06.2002) US  
(71) Applicant (for all designated States except US): THE GOVERNMENT OF THE UNITED STATES OF AMERICA, as REPRESENTED BY THE SECRETARY DEPARTMENT OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROL AND PREVENTION [US/US]; Technology Transfer Office 4770 Buford Highway, (K-79), Atlanta, GA 30341 (US).  
(72) Inventors; and  
(75) Inventors/Applicants (for US only): FOLKS, Thomas, M. [US/US]; 3815 Belle Glade Trail, Snellville, GA 30039  
(74) Agents: NEEDLE & ROSENBERG, P.C. et al.; Suite 1000, 999 Peachtree Street, Atlanta, GA 30309-3915 (US).  
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.  
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).  
Published:  
— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: LIVE REPLICATING SPUMAVIRUS VECTOR



(57) Abstract: The present invention provides a vector or vector containing composition comprising a spumavirus backbone and an antigen-encoding nucleic acid. The present invention also provides methods of treating or preventing a condition resulting from a viral, bacterial, or parasitic infection in a subject comprising administering to the subject an effective amount of the vector or vector containing composition comprising a spumavirus backbone and an antigen-encoding nucleic acid. Also provided in the present invention are methods of treating a condition resulting from a cancer in a subject comprising administering to the subject an effective amount of the vector or vector containing composition comprising a spumavirus backbone and an antigen-encoding nucleic acid.

WO 2004/003153 A2